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ND-23-0589  
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Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 2.6.03.04a [Index Number 601]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.6.03.04a [Index Number 601]. This ITAAC verified that a simulated test signal exists at the Class 1E equipment identified in COL Appendix C Table 2.6.3-1 when the assigned Class 1E division is provided the test signal.

The closure process for this ITAAC is based on the guidance described in NEI-08-01, "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52" which is endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

A handwritten signature in black ink that reads "Jamie Coleman".

Jamie M. Coleman  
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.6.03.04a [Index Number 601]

JMC/CTW/sfr

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cc:     Regional Administrator, Region II  
          Director, Office of Nuclear Reactor Regulation (NRR)  
          Director, Vogtle Project Office NRR  
          Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company  
ND-23-0589  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 2.6.03.04a [Index Number 601]**

## **ITAAC Statement**

### **Design Commitment**

4.a) The IDS provides electrical independence between the Class 1E divisions.

### **Inspections, Tests, Analyses**

Testing will be performed on the IDS by providing a simulated test signal in each Class 1E division.

### **Acceptance Criteria**

A simulated test signal exists at the Class 1E equipment identified in Table 2.6.3-1 when the assigned Class 1E division is provided the test signal.

## **ITAAC Determination Basis**

Testing was performed on the Class 1E equipment identified in the VEGP Unit 4 COL Appendix C Table 2.6.3-1(Attachment A) to demonstrate the Class 1E dc and Uninterruptible Power Supply System (IDS) provides electrical independence between Class 1E divisions. This ITAAC performed testing on the IDS equipment by providing a simulated test signal in each Class 1E division.

SV4-IDS-ITR-800601 (Reference 1) documents completion of testing which ensures IDS provides electrical independence between Class 1E divisions. Testing verified electrical independence of the divisions of Class 1E IDS by energizing a single division and verifying the presence or absence of power at all division components being tested, then the single division is de-energized. This same sequence was repeated until all division components identified in Table 2.6.3-1 as being Class 1E were verified to be energized/de-energized when the appropriate power source is cycled.

The Unit 4 component testing documented in Reference 1 confirms that a simulated test signal exists at the Class 1E equipment identified in Table 2.6.3-1 when the assigned Class 1E division is provided the test signal.

References 1 is available for NRC review, as part of the Unit 4 ITAAC 2.6.03.04a Completion Package (Reference 2).

## **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings and associated corrective actions. This review found no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.6.03.04a (Reference 2) and is available for NRC review.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.6.03.04a was performed for VEGP Unit 4 and that the prescribed acceptance criteria are met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

**References (available for NRC inspection)**

1. SV4-IDS-ITR-800601 Rev 0, "Unit 4 IDS Class 1E Equipment Signaled from Assigned Division: ITAAC 2.6.03.04a"
2. 2.6.03.04a-U4-CP-Rev0, "ITAAC Completion Package"

**Attachment A**  
COL Appendix C Table 2.6.3-1

<b>Table 2.6.3-1</b>				
<b>Equipment Name</b>	<b>Tag No.</b>	<b>Seismic Cat. I</b>	<b>Class 1E/ Qual. for Harsh Envir.</b>	<b>Safety- Related Display</b>
Division A 250 Vdc 24-Hour Battery Bank	IDSA-DB-1	Yes	Yes/No	No
Division B 250 Vdc 24-Hour Battery Bank 1	IDSB-DB-1	Yes	Yes/No	No
Division B 250 Vdc 72-Hour Battery Bank 2	IDSB-DB-2	Yes	Yes/No	No
Division C 250 Vdc 24-Hour Battery Bank 1	IDSC-DB-1	Yes	Yes/No	No
Division C 250 Vdc 72-Hour Battery Bank 2	IDSC-DB-2	Yes	Yes/No	No
Division D 250 Vdc 24-Hour Battery Bank	IDSD-DB-1	Yes	Yes/No	No
Spare 250 Vdc Battery Bank	IDSS-DB-1	Yes	Yes/No	No
Division A 24-Hour Battery Charger 1	IDSA-DC-1	Yes	Yes/No	No
Division B 24-Hour Battery Charger 1	IDSB-DC-1	Yes	Yes/No	No
Division B 72-Hour Battery Charger 2	IDSB-DC-2	Yes	Yes/No	No
Division C 24-Hour Battery Charger 1	IDSC-DC-1	Yes	Yes/No	No
Division C 72-Hour Battery Charger 2	IDSC-DC-2	Yes	Yes/No	No
Division D 24-Hour Battery Charger 1	IDSD-DC-1	Yes	Yes/No	No
Spare Battery Charger 1	IDSS-DC-1	Yes	Yes/No	No
Division A 250 Vdc Distribution Panel	IDSA-DD-1	Yes	Yes/No	No
Division B 250 Vdc Distribution Panel	IDSB-DD-1	Yes	Yes/No	No
Division C 250 Vdc Distribution Panel	IDSC-DD-1	Yes	Yes/No	No

<b>Table 2.6.3-1</b>				
<b>Equipment Name</b>	<b>Tag No.</b>	<b>Seismic Cat. I</b>	<b>Class 1E/ Qual. for Harsh Envir.</b>	<b>Safety-Related Display</b>
Division D 250 Vdc Distribution Panel	IDSD-DD-1	Yes	Yes/No	No
Division A 120 Vac Distribution Panel 1	IDSA-EA-1	Yes	Yes/No	No
Division A 120 Vac Distribution Panel 2	IDSA-EA-2	Yes	Yes/No	No
Division B 120 Vac Distribution Panel 1	IDSB-EA-1	Yes	Yes/No	No
Division B 120 Vac Distribution Panel 2	IDSB-EA-2	Yes	Yes/No	No
Division B 120 Vac Distribution Panel 3	IDSB-EA-3	Yes	Yes/No	No
Division C 120 Vac Distribution Panel 1	IDSC-EA-1	Yes	Yes/No	No
Division C 120 Vac Distribution Panel 2	IDSC-EA-2	Yes	Yes/No	No
Division C 120 Vac Distribution Panel 3	IDSC-EA-3	Yes	Yes/No	No
Division D 120 Vac Distribution Panel 1	IDSD-EA-1	Yes	Yes/No	No
Division D 120 Vac Distribution Panel 2	IDSD-EA-2	Yes	Yes/No	No
Division A Fuse Panel 4	IDSA-EA-4	Yes	Yes/No	No
IDSA Battery Monitor Fuse Panel	IDSA-EA-5	Yes	Yes/No	No
Division B Fuse Panel 4	IDSB-EA-4	Yes	Yes/No	No
Division B Fuse Panel 5	IDSB-EA-5	Yes	Yes/No	No
Division B Fuse Panel 6	IDSB-EA-6	Yes	Yes/No	No
IDSB Battery Monitor Fuse Panel	IDSB-EA-7	Yes	Yes/No	No
IDSB Battery Monitor Fuse Panel	IDSB-EA-8	Yes	Yes/No	No
Division C Fuse Panel 4	IDSC-EA-4	Yes	Yes/No	No
Division C Fuse Panel 5	IDSC-EA-5	Yes	Yes/No	No
Division C Fuse Panel 6	IDSC-EA-6	Yes	Yes/No	No
IDSC Battery Monitor Fuse Panel	IDSC-EA-7	Yes	Yes/No	No
IDSC Battery Monitor Fuse Panel	IDSC-EA-8	Yes	Yes/No	No
Division D Fuse Panel 4	IDSD-EA-4	Yes	Yes/No	No
IDSD Battery Monitor Fuse Panel	IDSD-EA-5	Yes	Yes/No	No
IDSS Battery Monitor Fuse Panel	IDSS-EA-1	Yes	Yes/No	No

<b>Table 2.6.3-1</b>				
<b>Equipment Name</b>	<b>Tag No.</b>	<b>Seismic Cat. I</b>	<b>Class 1E/ Qual. for Harsh Envir.</b>	<b>Safety-Related Display</b>
Division A Fused Transfer Switch Box 1	IDSA-DF-1	Yes	Yes/No	No
Division B Fused Transfer Switch Box 1	IDSB-DF-1	Yes	Yes/No	No
Division B Fused Transfer Switch Box 2	IDSB-DF-2	Yes	Yes/No	No
Division C Fused Transfer Switch Box 1	IDSC-DF-1	Yes	Yes/No	No
Division C Fused Transfer Switch Box 2	IDSC-DF-2	Yes	Yes/No	No
Division D Fused Transfer Switch Box 1	IDSD-DF-1	Yes	Yes/No	No
Spare Fused Transfer Switch Box 1	IDSS-DF-1	Yes	Yes/No	No
Division A 250 Vdc MCC	IDSA-DK-1	Yes	Yes/No	No



<b>Table 2.6.3-1</b>				
<b>Equipment Name</b>	<b>Tag No.</b>	<b>Seismic Cat. I</b>	<b>Class 1E/ Qual. for Harsh Envir.</b>	<b>Safety-Related Display</b>
Division B 250 Vdc MCC	IDSB-DK-1	Yes	Yes/No	No
Division C 250 Vdc MCC	IDSC-DK-1	Yes	Yes/No	No
Division D 250 Vdc MCC	IDSD-DK-1	Yes	Yes/No	No
Division A 250 Vdc Switchboard 1	IDSA-DS-1	Yes	Yes/No	Yes (Bus Voltage)
Division B 250 Vdc Switchboard 1	IDSB-DS-1	Yes	Yes/No	Yes (Bus Voltage)
Division B 250 Vdc Switchboard 2	IDSB-DS-2	Yes	Yes/No	Yes (Bus Voltage)
Division C 250 Vdc Switchboard 1	IDSC-DS-1	Yes	Yes/No	Yes (Bus Voltage)
Division C 250 Vdc Switchboard 2	IDSC-DS-2	Yes	Yes/No	Yes (Bus Voltage)
Division D 250 Vdc Switchboard 1	IDSD-DS-1	Yes	Yes/No	Yes (Bus Voltage)
Division A Regulating Transformer	IDSA-DT-1	Yes	Yes/No	No
Division B Regulating Transformer	IDSB-DT-1	Yes	Yes/No	No
Division C Regulating Transformer	IDSC-DT-1	Yes	Yes/No	No
Division D Regulating Transformer	IDSD-DT-1	Yes	Yes/No	No
Division A 24-Hour Inverter 1	IDSA-DU-1	Yes	Yes/No	No
Division B 24-Hour Inverter 1	IDSB-DU-1	Yes	Yes/No	No
Division B 72-Hour Inverter 2	IDSB-DU-2	Yes	Yes/No	No
Division C 24-Hour Inverter 1	IDSC-DU-1	Yes	Yes/No	No
Division C 72-Hour Inverter 2	IDSC-DU-2	Yes	Yes/No	No
Division D 24-Hour Inverter 1	IDSD-DU-1	Yes	Yes/No	No
Spare Battery Termination Box	IDSS-DF-3	Yes	Yes/No	No